

**INTEGRATED BACTERIA ENZYME STRAW/BARLEY MATRIX  
FOR PONDS, LAKES, AND AQUACULTURE**

**ABSTRACT OF DISCLOSURE**

A fermentation composition for treatment of aquatic environments. The fermentation composition includes an activated organic matrix selected from wheat, barley or rye straw, ground, whole-grain barley grain and wheat bran. The fermentation composition also includes beneficial saprophytic bacteria, beneficial hydrolytic enzymes and soluble humatic compounds.